

## **Behavioral Sciences Department**

The Behavioral Sciences Department is anticipating an eventful new year. The summer has been productive in the continued renovation process of faculty offices and seminar rooms. Professor Judith Mayton and Dr. Lanny Endicott are enjoying new carpet and paint in their offices. We are also looking forward to the completion of technology updates for our two seminar rooms. One room will soon have a full smartboard system and the other has been updated to a new ceiling mounted projector which will greatly enhance the ease of use and appearance of presentations.



The new year will be busy for the Social Work Department as we anticipate a site visit for reaccreditation of this growing program. The summer was utilized by all three faculty; Robert Kiel, Chene Tucker and Lanny Endicott; for the immense amount of preparation and completion of the self-study. The three-volume study was shipped to the Council on Social Work Education late this summer. The site visit will occur this year. Dr. Endicott is also expecting to participate in the Oklahoma Association of Indian Child Welfare conference with several of his students in November. The Veterans Initiative Listening Conference is also on the agenda for this fall.

## **Health, Physical Education, and Recreation Department**

Dr. Fritz Huber completed a new edition of his text book/lab manual Health Fitness 001 and 002 as well as Graduate HPE, our foundation courses.

Welcome back "Smitty" Glenn Smith as a full-time faculty member in our Department. He comes to us with many years of experience in the Sports arena here at ORU – teaching both activities and major classes.

Bob Canada went to China to conduct a golf clinic for a very enthusiastic Chinese business-men's group, an outreach/missions trip arranged by the Southwest Baptist Church.

Nancy Mankin was involved with two Head Start facilities in the Tulsa area as a Physical Activities Consultant. The program was in conjunction with AAHPERD (the National Physical Education Organization).

Scarlet Johnson (Jost) attended the American College of Sports Medicine at Lake Table, California. The workshop for continuing education covered material she teaches in the major's classes for HPE. She went to Yosemite National Park while she was there.

Alick Musukuma's summer travels took him to Zambia for 2 months. He taught the Paralympics coaches of Zambia on the topic of "How to Motivate the Disabled Student", gave a presentation at their National Olympic Youth Development Center and addressed students at NJASE Secondary School in Choma, Zambia, on the importance of physical education to their lives.

Patti Techanchuk converted the correspondence classes in HPE undergrad, grad/doctoral to online status. It is a promising future ahead of us in online HPE courses. With the assistance of Nancy Mankin, she started the HES/HPE Club for the Department. There are a lot of "new" things on campus and a new HES/HPE Club was in line. We are united as a faculty to see 2010 a success to every student who walks through our door.

## Biology & Chemistry Department



**Dr. George Thyvelikakath (Professor of Chemistry and former Dean)** returned to his native India this past summer and was an invited speaker at various colleges, high schools, television shows, churches and civic organizations. He gave the keynote address on “Christian Leadership” at the Sacred Heart Parish in Kumbalangi, Cochin, Kerala State, India on the occasion of the dedication of the world’s biggest rosary that would appear in the Guinness Book of World Records. This activity was done in connection with the conclusion of the celebration of the year for priests.

**Dr. Joel Gaikwad (Associate Professor of Biology)** is conducting research in collaboration with Dr. Kent Teague at the University of Oklahoma School of Medicine, Dept. of Surgery, Tulsa, OK. This project was funded with a summer 2010 Research Opportunity Award, part of the National Institutes of Health research program. The project involves studying the effects of the naturally-occurring compound, carvacrol, to induce cell death (apoptosis) in various tumor cell lines.



**One of our outstanding students, Brady Juengel** (Biology and English double major, honors fellow) was accepted into medical school. Eight of our 11 graduating seniors (2010) who applied to medical school were accepted into medical school programs including those at the University of Oklahoma, University of Kansas, University of Arkansas, Oklahoma State University Center for Health Sciences, and the University of Kentucky. Brady was accepted into the prestigious Washington University Medical School in St. Louis. The average Medical College Admission Test score of these 2010 medical school applicants was higher than the national average of MCAT scores.

## Engineering, Computer Science, Physics & Math Department

Dr. Ma has been awarded an NSF grant to carry out collaborative research with Duke University. This research endeavor, focused on vehicular ad-hoc networks, provides \$194,146 to further Dr. Ma's research endeavors designed to improve vehicle safety for the future. We want to congratulate Dr. Ma for his diligence in pursuit of this NSF opportunity and applaud his brilliant research. This is the first NSF grant that ORU has received since the medical school days.

Dr. Sophie Liu presented a paper titled “Video Based Soccer Ball Tracking” at the 2010 IEEE Southwest Symposium on Image Analysis and Interpretation (SSIAI 2010) on May 23 – 25 in Austin, TX. This paper was co-authored with students Sherayah Vermette and Jacob Garner.

Oral Roberts University has been chosen to receive the 2010 OSPE Outstanding Engineering Achievement Award: Student Category for a senior project on 3D Face Recognition. This project was completed by David Kobilnyk and Vyacheslav Tokarev with Dr. Sophie Liu as adviser.

ORU hosted the Math and Science Summer Academy on June 7 – 11. The academy is a program providing opportunities for 48 students in the 8<sup>th</sup> and 9<sup>th</sup> grade levels to develop skills to learn mathematics and science. Mathematical activities include code breaking cryptology and fractal pattern recognition. Science experiences include field trips, real-world technologies, rocketry and laboratory work where students seek to understand the natural world.